

# SEQUENCE LISTING

<110> Hoffman, Neil  
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<120> METHODS FOR THE IDENTIFICATION OF INHIBITORS OF BIOTIN SYNTHASE  
 EXPRESSION OR ACTIVITY IN PLANTS

<130> 2054US

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<170> PatentIn version 3.0

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<221> misc\_feature

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TIGR database locus T1024.10

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| Ser | Arg | Asp | Glu | Ile | Lys | Ser | Val | Tyr | Asp | Ser | Pro | Leu | Leu | Asp | Leu |  |
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| Val | Gln | Gln | Cys | Thr | Leu | Leu | Ser | Ile | Lys | Thr | Gly | Gly | Cys | Ser | Glu |  |
|     |     |     |     | 85  |     |     |     |     | 90  |     |     |     |     | 95  |     |  |
| Asp | Cys | Ser | Tyr | Cys | Pro | Gln | Ser | Ser | Arg | Tyr | Ser | Thr | Gly | Val | Lys |  |
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| Asp | Thr | Ile | Gly | Arg | Lys | Thr | Asn | Phe | Ser | Gln | Ile | Leu | Glu | Tyr | Ile |  |
| 145 |     |     |     |     | 150 |     |     |     |     | 155 |     |     |     |     | 160 |  |
| Lys | Glu | Ile | Arg | Gly | Met | Gly | Met | Glu | Val | Cys | Cys | Thr | Leu | Gly | Met |  |
|     |     |     |     | 165 |     |     |     |     | 170 |     |     |     |     | 175 |     |  |
| Ile | Glu | Lys | Gln | Gln | Ala | Leu | Glu | Leu | Lys | Lys | Ala | Gly | Leu | Thr | Ala |  |
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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Tyr | Asn | His | Asn | Leu | Asp | Thr | Ser | Arg | Glu | Tyr | Tyr | Pro | Asn | Val | Ile |
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| Ala | Glu | Glu | Asp | Arg | Ile | Gly | Leu | Leu | His | Thr | Leu | Ala | Thr | Leu | Pro |
|     |     |     |     |     |     |     |     |     | 250 |     |     | 255 |     |     |     |
| Ser | His | Pro | Glu | Ser | Val | Pro | Ile | Asn | Ala | Leu | Leu | Ala | Val | Lys | Gly |
|     |     |     | 260 |     |     |     |     |     | 265 |     |     | 270 |     |     |     |
| Thr | Pro | Leu | Glu | Asp | Gln | Lys | Pro | Val | Glu | Ile | Trp | Glu | Met | Ile | Arg |
| 275 |     |     |     |     |     | 280 |     |     |     |     |     | 285 |     |     |     |
| Met | Ile | Gly | Thr | Ala | Arg | Ile | Val | Met | Pro | Lys | Ala | Met | Val | Arg | Leu |
| 290 |     |     |     |     |     | 295 |     |     |     |     |     | 300 |     |     |     |
| Ser | Ala | Gly | Arg | Val | Arg | Phe | Ser | Met | Ser | Glu | Gln | Ala | Leu | Cys | Phe |
| 305 |     |     |     |     |     | 310 |     |     |     |     |     | 315 |     |     |     |
| Leu | Ala | Gly | Ala | Asn | Ser | Ile | Phe | Thr | Gly | Glu | Lys | Leu | Leu | Thr | Thr |
|     |     |     |     |     |     |     |     |     | 330 |     |     | 335 |     |     |     |
| Pro | Asn | Asn | Asp | Phe | Asp | Ala | Asp | Gln | Leu | Met | Phe | Lys | Thr | Leu | Gly |
|     |     |     | 340 |     |     |     |     |     | 345 |     |     | 350 |     |     |     |
| Leu | Ile | Pro | Lys | Pro | Pro | Ser | Phe | Ser | Glu | Asp | Asp | Ser | Glu | Ser | Glu |
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| Asn | Cys | Glu | Lys | Val | Ala | Ser | Ala | Ser | His |     |     |     |     |     |     |
| 370 |     |     |     |     |     | 375 |     |     |     |     |     |     |     |     |     |